

CLAIMS:

1. A low-pressure mercury vapor discharge lamp comprising:
a radiation-transmitting discharge vessel (10) enclosing, in a gastight manner,
a discharge space (13) provided with a filling of mercury and a rare gas,
the discharge vessel (10) comprising discharge means for maintaining a
5 discharge in the discharge space (13),
a container (3) comprising mercury or an amalgam (4) being arranged in the
discharge vessel (10), the container (3) having an opening (24),
the container (3) having a glass wall (21),
the glass wall having a transmission of less than 0.4 in a wavelength range
10 from 0.8 to 1.5 μ m.
2. A low-pressure mercury vapor discharge lamp as claimed in claim 1,
characterized in that the transmission of the glass wall is less than 0.25 in a wavelength range
15 from 1.0 to 1.2 μ m.
3. A low-pressure mercury vapor discharge lamp as claimed in claim 1 or 2,
characterized in that the glass wall is manufactured from a glass containing ferric oxide.
4. A low-pressure mercury vapor discharge lamp as claimed in claim 3,
20 characterized in that the glass wall comprises at least 2% by weight Fe_2O_3 .
5. A low-pressure mercury vapor discharge lamp as claimed in claim 3,
characterized in that the glass wall comprises:
25 60-75% by weight SiO_2 ,
0.1-3% by weight B_2O_3 ,
0.1-7% by weight Al_2O_3 ,
0.1-2.5% by weight LiO_2 ,
5-12% by weight Na_2O ,
2-9% by weight K_2O ,

0.1-3% by weight MgO,
0.1-5% by weight CaO,
5-15% by weight BaO, and
2-7% by weight Fe₂O₃.

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6. A low-pressure mercury vapor discharge lamp as claimed in claim 5,
characterized in that the glass wall is substantially free from lead.

7. A low-pressure mercury vapor discharge lamp as claimed in claim 1 or 2,
10 characterized in that the opening (24) in the container (3) is provided in a portion (25) of the
container (3), which portion (25) is substantially flat.

8. A low-pressure mercury vapor discharge lamp as claimed in claim 1 or 2,
characterized in that the container (3) is provided in an exhaust tube (9) in an end portion
15 (12a) of the discharge vessel (10).

9. A container (4) containing mercury or an amalgam (4) for use in a low-
pressure mercury vapor discharge lamp according to claim 1 or 2.